

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:  
predetermining content of a data stream prior to receiving a request for the data stream;  
stream;  
~~receiving a request for a data stream from a client;~~  
~~sampling the data stream;~~  
~~generating one or more fingerprint blocks for one or more sampled portions of the~~  
based on the predetermined content of the data stream;  
~~transmitting the one or more fingerprint blocks to the client via a first connection~~  
prior to receiving the request; and  
receiving the request for the data stream; and  
~~transmitting the data stream in response to the request on-demand to the client via~~  
~~a second connection, wherein the on-demand transmitting of the data~~  
~~stream includes simultaneous transmission or delayed transmission~~  
~~according to a demand.~~
2. (Currently Amended) The method of claim 1, further comprising sending to the  
~~client parameters for sampling portions of the data stream according to sampling~~  
parameters.
3. (Currently Amended) The method of claim 1, wherein generating ~~one or more~~  
fingerprint blocks comprises generating cyclic redundancy check (CRC) values for the  
~~one or more sampled portions of the data stream.~~

Claims 4-18 (Cancelled)

19. (Currently Amended) A ~~client system~~ comprising:
- ~~a processor~~ a storage medium; and
- ~~a memory coupled to said processor having stored therein a set of instructions to~~
- ~~cause said processor to:~~ a processor coupled to the storage medium, the
- processor to:
- predetermine content of a data stream prior to receiving a request for the
- data stream;
- generating the ~~receive a first set of fingerprint blocks from the server via a~~
- ~~first connection~~ based on the predetermined content,
- transmitting the fingerprint blocks via a first connection prior to receiving
- the request;
- receiving the request for the data stream; and
- ~~receive~~ transmitting the data stream ~~on demand at the client~~ via a second
- connection, wherein the ~~on demand receiving~~ transmitting of the
- data stream includes simultaneous reception or delayed reception
- ~~according to a demand,~~
- ~~sample the data stream at the client,~~
- ~~generate a second set of fingerprint blocks for one or more sampled,~~
- ~~portions of the data stream at the client, and~~
- ~~compare the second set of fingerprint blocks to the first set of fingerprint~~
- ~~blocks.~~

20. (Currently Amended) The ~~client~~system of claim 19, wherein the first connection comprises an out-of-band connection, and the second connection comprises a primary data connection.

21. (Currently Amended) The client of claim 19, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate an error message ~~to the server if the~~ a second set of fingerprint blocks ~~generated at the client~~ does not match ~~the~~ a first set of fingerprint blocks ~~generated at the server~~.

22. (Currently Amended) The client of claim ~~19~~ 21, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate a valid status message ~~to the server if the~~ second set of fingerprint blocks ~~generated at the client~~ match the first set of fingerprint blocks ~~generated at the server~~.

Claims 23–27 (Cancelled)

28. (Currently Amended) ~~A~~ An article of manufacture comprising a machine readable medium having ~~stored thereon data representing sets of instructions which, when~~ when executed, ~~by a machine, cause the~~ cause a machine to:

predetermine content of a data stream prior to receiving a request for the data

stream;

~~receive a request for a data stream from a client;~~

~~sample the data stream;~~

~~generating-generate one or more fingerprint blocks for one or more sampled portions of the data stream based on the predetermined content;~~  
transmit the ~~one or more fingerprint blocks to the client~~ via a first connection  
~~prior to receiving the request; and~~  
~~receiving the request for the data stream; and~~  
transmit the data stream ~~on-demand to the client~~ via a second connection, wherein  
the ~~on-demand~~ transmitting of the data stream includes simultaneous  
transmission delayed transmission ~~according to a demand~~.

29. (Currently Amended) The ~~machine-readable medium-article of manufacture~~ of claim 28, wherein the ~~sets of instructions when executed by the machine, further cause when further executed, cause~~ the machine to generate ~~one or more fingerprint blocks by further cause the machine to~~ generating-generate cyclic redundancy check (CRC) values for the ~~one or more sampled portions of the data stream~~.

30. (Currently Amended) The ~~machine-readable medium-article of manufacture~~ of claim ~~28~~ 29, wherein the ~~sets of instructions when executed by the machine, further cause the machine to send to the client parameters for sampling~~ sampled portions are sampled via sampling parameters for sampling portions of the data stream.